

1. NUMBER: FD34-00-030	2. PCN: PB20189	MSFC ENGINEERING CHANGE REQUEST (ECR) (CONTINUATION SHEET)	3. DATE: 11/09/2000	4. PAGE: 2 OF 2
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8. ITEM(S) CONTINUED FROM PAGE 1, MSFC FORM 2327 (Specify number[s] continued):

Block 16. JUSTIFICATION OF CHANGE (CONTINUED):

Due to the extension of ARIS-ICE operations into Increment 3, some planned operations need to be moved around to make the most efficient use of on-orbit test time. Also, based on crew input at Crew Training, and the crew procedures review process, some changes have been made to the crew procedures. All Payload Planning Data Set entries must be consistent with crew procedures, EXPRESS Integration Agreement, etc.

The Final Increment 2 Payload Planning Data Set has been baselined. Therefore, a change is required to update the Data Set.

If this ECR is not implemented, changes to the Increment 2 Payload Planning Data Set will have to be initiated through the Operations Change Request process. Consequently, the needed changes will not be incorporated in the Increment 2 Payload and Integrated On-Orbit Schedules, which, in turn, will affect Increment 3 planning products. Such changes for both Increments would have to be worked in real time or near real time.

Block 18: DESCRIPTION OF CHANGE (CONTINUED):

1. Add one 16-hour ICE test activity to the second ICE test sequence. Rationale: This addition is needed to replace a series of 15-minute activities originally scheduled, which adds flexibility to the planned test periods.
2. Add two 16-hour ICE test activities and one set of shaker operations without the EXPRESS Laptop computer connected before the first power umbilical changout. The first 16-hour test will include a total of 15 minutes of crew time to observe specific tests. Shaker operations require crew as defined in the existing ARIS-ICE Payload Planning Data Set. Rationale: Connection of Laptop umbilicals to the ARIS rack may impact the power umbilical selection process.
3. Add two 16-hour test activities to the beginning of the Docked Ops test sequence. The first 16-hour test will include a total of 20 minutes of crew time to observe specific tests. Rationale: These activities are needed to characterize rack in full sway space configuration. Note: These additional activities, including crew time, will only be needed if the rack is in reduced sway space configuration before the docked period begins.
4. Add five minutes of Voice to the end of the umbilical changeout crew activity. Rationale: This requirement is needed to make the activity consistent with the umbilical change crew procedure.